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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,199	10/15/2003	Paul Budworth	1392/11 6710	
25297 JENKINS, WII	7590 04/18/2007 LSON, TAYLOR & HU	EXAMINER		
3100 TOWER BLVD			JOIKE, MICHELE K	
SUITE 1200 DURHAM, NC 27707			ART UNIT	. PAPER NUMBER
			1636	
			MAIL DATE	DELIVERY MODE
•		•	04/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)	Applicant(s)		
10/686,199	BUDWORTH ET AL.			
Examiner	Art Unit			
Michele K. Joike, Ph.D.	1636			

	Michele K. Joike, Ph.D.	1636					
The MAILING DATE of this communication appe	The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
THE REPLY FILED 19 March 2007 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.							
 The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliance time periods: The period for reply expiresmonths from the mailing by The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire to a statutory p	n the same day as filing a Notice of wing replies: (1) an amendment, affictive of Appeal (with appeal fee) in one with 37 CFR 1.114. The reply mug date of the final rejection. Advisory Action, or (2) the date set forth later than SIX MONTHS from the mailing	Appeal. To avoid aba fidavit, or other evider compliance with 37 Clust be filed within one in the final rejection, when date of the final rejection.	nce, which FR 41.31; or (3) of the following ichever is later. In on.				
Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).							
Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL							
2. The Notice of Appeal was filed on 19 March 2007. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS							
 The proposed amendment(s) filed after a final rejection, t They raise new issues that would require further cor 	out prior to the date of filing a brief,	will <u>not</u> be entered be	ecause				
(b) They raise the issue of new matter (see NOTE below	m).	ie below);	•				
(c) They are not deemed to place the application in betterappeal; and/or	ter form for appeal by materially rec		the issues for				
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	corresponding number of finally reje	ected claims.					
4. The amendments are not in compliance with 37 CFR 1.12	21 See attached Notice of Non-Cor	moliant Amendment (PTOL-324)				
5. Applicant's reply has overcome the following rejection(s):		inplication (1 102-02-7.				
 Newly proposed or amended claim(s) would be all non-allowable claim(s). 	owable if submitted in a separate, t	timely filed amendme	nt canceling the				
7. For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed: Claim(s) objected to: Claim(s) rejected: Claim(s) withdrawn from consideration:	☐ will not be entered, or b) ☐ will ided below or appended.	be entered and an e	xplanation of				
AFFIDAVIT OR OTHER EVIDENCE							
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).	d sufficient reasons why the affidavi	it or other evidence is	necessary and				
2. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will <u>not</u> be entered because the affidavit or other evidence failed to overcome <u>all</u> rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).							
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER							
11. The request for reconsideration has been considered but see below.	does NOT place the application in	condition for allowan	ce because:				
2. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s).							
13. Other:							

Continuation Sheet (PTO-303)

Application No.

Cont. of 11. Applicants argue:

- 1. Cronan teaches a method for purifying fusion proteins, and not a method for obtaining in vivo binding partners of a protein. Therefore, Cronan teaches away from a method for in vivo isolating and/or screening for binding partners of a protein.
- 2. The specification teaches that binding partner refers to any of a pair of organic chemical moieties which, under physiological conditions, associate non-covalently to form a complex, whereas Cronan teaches that binding partner refers to an entity that binds to a fusion protein tag only after it has been modified.
- 3. Fields et al do not teach utilizing a fusion protein comprising a protein of interest and a post-translational modification sequence, and there is no motivation to combine Cronan with Fields.
- 4. Neither Rigaut nor Luo cure the deficiencies of Cronan and Fields.

Applicants arguments are not found persuasive for the following reasons.

- 1. Cronan does teach a method for purifying fusion proteins, but he also teaches providing binding partners to the fusion protein. Since Cronan teaches binding between the fusion protein and binding partners, there is no teaching away.
- 2. Cronan teaches that the binding partner can be an antibody, which the specification also teaches as a potential binding partner. Since the specificatin fails to put any limits on binding partner, it is irrelevant that the fusion protein is modified before binding.
- 3. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); In re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986). Fields does not teach utilizing a fusion protein comprising a protein of interest and a post-translational modification sequence, but is used in combination with Cronan, which does. There would be motivation to combine because Fields teaches that an advantage of producing a multiplicity of proteins is that they can be simultaneously tested and detected for interaction.
- 4. There are no deficiencies to cure, as discussed in 1-3.

NANCY VOGEL
PRIMARY EXAMINER